

Release notes for ENDF/B Development n-080_Hg_198
evaluation

ENDF
B-VII.dev

April 26, 2017

- checkr Warnings:

1. A previous error halted parsing of the current section
MAT=8031, MF= 1, MT=451 (1): Parsing stopped

```
ERROR(S) FOUND IN MAT=8031, MF= 1, MT=451
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER      206 TO      336
```

- checkr Errors:

1. A variable is outside the allowed ENDF range
MAT=8031, MF= 1, MT=451 (0): Variable range

```
ERROR(S) FOUND IN MAT=8031, MF= 1, MT=451
MOD =      1 OUT OF RANGE      0 -      0      RECORD NUMBER      206
```

2. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 2, MT=151 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=8031, MF= 2, MT=151
SECTION 2/151 NOT IN DIRECTORY      RECORD NUMBER      338
```

3. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 3, MT= 1 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=8031, MF= 3, MT= 1
SECTION 3/ 1 NOT IN DIRECTORY      RECORD NUMBER      350
```

4. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 3, MT= 2 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=8031, MF= 3, MT= 2
SECTION 3/ 2 NOT IN DIRECTORY      RECORD NUMBER      441
```

5. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 3, MT= 4 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=8031, MF= 3, MT= 4
SECTION 3/ 4 NOT IN DIRECTORY      RECORD NUMBER      531
```

6. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 3, MT= 5 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=8031, MF= 3, MT= 5
SECTION 3/ 5 NOT IN DIRECTORY      RECORD NUMBER      560
```

7. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 3, MT= 16 (0): Directory (b)

ERROR(S) FOUND IN MAT=8031, MF= 3, MT= 16
SECTION 3/ 16 NOT IN DIRECTORY RECORD NUMBER 611

8. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 3, MT= 17 (0): Directory (b)

ERROR(S) FOUND IN MAT=8031, MF= 3, MT= 17
SECTION 3/ 17 NOT IN DIRECTORY RECORD NUMBER 618

9. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 3, MT= 22 (0): Directory (b)

ERROR(S) FOUND IN MAT=8031, MF= 3, MT= 22
SECTION 3/ 22 NOT IN DIRECTORY RECORD NUMBER 624

10. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 3, MT= 28 (0): Directory (b)

ERROR(S) FOUND IN MAT=8031, MF= 3, MT= 28
SECTION 3/ 28 NOT IN DIRECTORY RECORD NUMBER 632

11. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 3, MT= 51 (0): Directory (b)

ERROR(S) FOUND IN MAT=8031, MF= 3, MT= 51
SECTION 3/ 51 NOT IN DIRECTORY RECORD NUMBER 640

12. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 3, MT= 52 (0): Directory (b)

ERROR(S) FOUND IN MAT=8031, MF= 3, MT= 52
SECTION 3/ 52 NOT IN DIRECTORY RECORD NUMBER 654

13. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 3, MT= 53 (0): Directory (b)

ERROR(S) FOUND IN MAT=8031, MF= 3, MT= 53
SECTION 3/ 53 NOT IN DIRECTORY RECORD NUMBER 668

14. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 3, MT= 54 (0): Directory (b)

ERROR(S) FOUND IN MAT=8031, MF= 3, MT= 54
SECTION 3/ 54 NOT IN DIRECTORY RECORD NUMBER 681

15. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 3, MT= 55 (0): Directory (b)

- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=8031, MF= 3, MT= 55 | RECORD NUMBER | 693 |
| SECTION 3/ 55 NOT IN DIRECTORY | | |
16. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 3, MT= 56 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=8031, MF= 3, MT= 56 | RECORD NUMBER | 703 |
| SECTION 3/ 56 NOT IN DIRECTORY | | |
17. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 3, MT= 57 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=8031, MF= 3, MT= 57 | RECORD NUMBER | 713 |
| SECTION 3/ 57 NOT IN DIRECTORY | | |
18. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 3, MT= 58 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=8031, MF= 3, MT= 58 | RECORD NUMBER | 723 |
| SECTION 3/ 58 NOT IN DIRECTORY | | |
19. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 3, MT= 59 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=8031, MF= 3, MT= 59 | RECORD NUMBER | 735 |
| SECTION 3/ 59 NOT IN DIRECTORY | | |
20. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 3, MT= 60 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=8031, MF= 3, MT= 60 | RECORD NUMBER | 748 |
| SECTION 3/ 60 NOT IN DIRECTORY | | |
21. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 3, MT= 61 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=8031, MF= 3, MT= 61 | RECORD NUMBER | 758 |
| SECTION 3/ 61 NOT IN DIRECTORY | | |
22. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 3, MT= 62 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=8031, MF= 3, MT= 62 | RECORD NUMBER | 768 |
| SECTION 3/ 62 NOT IN DIRECTORY | | |
23. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 3, MT= 63 (0): Directory (b)

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|---|---------------|-----|
| ERROR(S) FOUND IN MAT=8031, MF= 3, MT= 63 | RECORD NUMBER | 778 |
| SECTION 3/ 63 NOT IN DIRECTORY | | |
24. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 3, MT= 64 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=8031, MF= 3, MT= 64 | RECORD NUMBER | 789 |
| SECTION 3/ 64 NOT IN DIRECTORY | | |
25. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 3, MT= 65 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=8031, MF= 3, MT= 65 | RECORD NUMBER | 799 |
| SECTION 3/ 65 NOT IN DIRECTORY | | |
26. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 3, MT= 66 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=8031, MF= 3, MT= 66 | RECORD NUMBER | 809 |
| SECTION 3/ 66 NOT IN DIRECTORY | | |
27. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 3, MT= 67 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=8031, MF= 3, MT= 67 | RECORD NUMBER | 819 |
| SECTION 3/ 67 NOT IN DIRECTORY | | |
28. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 3, MT= 68 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=8031, MF= 3, MT= 68 | RECORD NUMBER | 829 |
| SECTION 3/ 68 NOT IN DIRECTORY | | |
29. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 3, MT= 69 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=8031, MF= 3, MT= 69 | RECORD NUMBER | 839 |
| SECTION 3/ 69 NOT IN DIRECTORY | | |
30. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 3, MT= 91 (0): Directory (b)
- | | | |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=8031, MF= 3, MT= 91 | RECORD NUMBER | 848 |
| SECTION 3/ 91 NOT IN DIRECTORY | | |
31. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 3, MT=102 (0): Directory (b)

- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=8031, MF= 3, MT=102 | | |
| | SECTION 3/102 NOT IN DIRECTORY | RECORD NUMBER | 858 |
32. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 3, MT=103 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=8031, MF= 3, MT=103 | | |
| | SECTION 3/103 NOT IN DIRECTORY | RECORD NUMBER | 872 |
33. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 3, MT=104 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=8031, MF= 3, MT=104 | | |
| | SECTION 3/104 NOT IN DIRECTORY | RECORD NUMBER | 882 |
34. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 3, MT=107 (0): Directory (b)
- | | | | |
|--|---|---------------|-----|
| | ERROR(S) FOUND IN MAT=8031, MF= 3, MT=107 | | |
| | SECTION 3/107 NOT IN DIRECTORY | RECORD NUMBER | 890 |
35. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 4, MT= 2 (0): Directory (b)
- | | | | |
|--|--|---------------|-----|
| | ERROR(S) FOUND IN MAT=8031, MF= 4, MT= 2 | | |
| | SECTION 4/ 2 NOT IN DIRECTORY | RECORD NUMBER | 905 |
36. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 4, MT= 16 (0): Directory (b)
- | | | | |
|--|---|---------------|------|
| | ERROR(S) FOUND IN MAT=8031, MF= 4, MT= 16 | | |
| | SECTION 4/ 16 NOT IN DIRECTORY | RECORD NUMBER | 5319 |
37. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 4, MT= 17 (0): Directory (b)
- | | | | |
|--|---|---------------|------|
| | ERROR(S) FOUND IN MAT=8031, MF= 4, MT= 17 | | |
| | SECTION 4/ 17 NOT IN DIRECTORY | RECORD NUMBER | 5322 |
38. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 4, MT= 22 (0): Directory (b)
- | | | | |
|--|---|---------------|------|
| | ERROR(S) FOUND IN MAT=8031, MF= 4, MT= 22 | | |
| | SECTION 4/ 22 NOT IN DIRECTORY | RECORD NUMBER | 5325 |
39. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 4, MT= 28 (0): Directory (b)

- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=8031, MF= 4, MT= 28 | RECORD NUMBER | 5328 |
| SECTION 4/ 28 NOT IN DIRECTORY | | |
40. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 4, MT= 51 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=8031, MF= 4, MT= 51 | RECORD NUMBER | 5331 |
| SECTION 4/ 51 NOT IN DIRECTORY | | |
41. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 4, MT= 52 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=8031, MF= 4, MT= 52 | RECORD NUMBER | 5445 |
| SECTION 4/ 52 NOT IN DIRECTORY | | |
42. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 4, MT= 53 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=8031, MF= 4, MT= 53 | RECORD NUMBER | 5537 |
| SECTION 4/ 53 NOT IN DIRECTORY | | |
43. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 4, MT= 54 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=8031, MF= 4, MT= 54 | RECORD NUMBER | 5629 |
| SECTION 4/ 54 NOT IN DIRECTORY | | |
44. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 4, MT= 55 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=8031, MF= 4, MT= 55 | RECORD NUMBER | 5713 |
| SECTION 4/ 55 NOT IN DIRECTORY | | |
45. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 4, MT= 56 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=8031, MF= 4, MT= 56 | RECORD NUMBER | 5740 |
| SECTION 4/ 56 NOT IN DIRECTORY | | |
46. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 4, MT= 57 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=8031, MF= 4, MT= 57 | RECORD NUMBER | 5767 |
| SECTION 4/ 57 NOT IN DIRECTORY | | |
47. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 4, MT= 58 (0): Directory (b)

- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=8031, MF= 4, MT= 58 | RECORD NUMBER | 5794 |
| SECTION 4/ 58 NOT IN DIRECTORY | | |
48. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 4, MT= 59 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=8031, MF= 4, MT= 59 | RECORD NUMBER | 5876 |
| SECTION 4/ 59 NOT IN DIRECTORY | | |
49. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 4, MT= 60 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=8031, MF= 4, MT= 60 | RECORD NUMBER | 5955 |
| SECTION 4/ 60 NOT IN DIRECTORY | | |
50. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 4, MT= 61 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=8031, MF= 4, MT= 61 | RECORD NUMBER | 5982 |
| SECTION 4/ 61 NOT IN DIRECTORY | | |
51. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 4, MT= 62 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=8031, MF= 4, MT= 62 | RECORD NUMBER | 6009 |
| SECTION 4/ 62 NOT IN DIRECTORY | | |
52. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 4, MT= 63 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=8031, MF= 4, MT= 63 | RECORD NUMBER | 6036 |
| SECTION 4/ 63 NOT IN DIRECTORY | | |
53. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 4, MT= 64 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=8031, MF= 4, MT= 64 | RECORD NUMBER | 6118 |
| SECTION 4/ 64 NOT IN DIRECTORY | | |
54. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 4, MT= 65 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=8031, MF= 4, MT= 65 | RECORD NUMBER | 6145 |
| SECTION 4/ 65 NOT IN DIRECTORY | | |
55. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 4, MT= 66 (0): Directory (b)

- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=8031, MF= 4, MT= 66 | RECORD NUMBER | 6172 |
| SECTION 4/ 66 NOT IN DIRECTORY | | |
56. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 4, MT= 67 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=8031, MF= 4, MT= 67 | RECORD NUMBER | 6199 |
| SECTION 4/ 67 NOT IN DIRECTORY | | |
57. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 4, MT= 68 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=8031, MF= 4, MT= 68 | RECORD NUMBER | 6226 |
| SECTION 4/ 68 NOT IN DIRECTORY | | |
58. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 4, MT= 69 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=8031, MF= 4, MT= 69 | RECORD NUMBER | 6253 |
| SECTION 4/ 69 NOT IN DIRECTORY | | |
59. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 4, MT= 91 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=8031, MF= 4, MT= 91 | RECORD NUMBER | 6281 |
| SECTION 4/ 91 NOT IN DIRECTORY | | |
60. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 5, MT= 16 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=8031, MF= 5, MT= 16 | RECORD NUMBER | 6309 |
| SECTION 5/ 16 NOT IN DIRECTORY | | |
61. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 5, MT= 17 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=8031, MF= 5, MT= 17 | RECORD NUMBER | 6360 |
| SECTION 5/ 17 NOT IN DIRECTORY | | |
62. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 5, MT= 22 (0): Directory (b)
- | | | |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=8031, MF= 5, MT= 22 | RECORD NUMBER | 6387 |
| SECTION 5/ 22 NOT IN DIRECTORY | | |
63. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 5, MT= 28 (0): Directory (b)

- ERROR(S) FOUND IN MAT=8031, MF= 5, MT= 28
SECTION 5/ 28 NOT IN DIRECTORY RECORD NUMBER 6460
64. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 5, MT= 91 (0): Directory (b)
- ERROR(S) FOUND IN MAT=8031, MF= 5, MT= 91
SECTION 5/ 91 NOT IN DIRECTORY RECORD NUMBER 6513
65. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF= 6, MT= 5 (0): Directory (b)
- ERROR(S) FOUND IN MAT=8031, MF= 6, MT= 5
SECTION 6/ 5 NOT IN DIRECTORY RECORD NUMBER 6609
66. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF=12, MT= 16 (0): Directory (b)
- ERROR(S) FOUND IN MAT=8031, MF=12, MT= 16
SECTION 12/ 16 NOT IN DIRECTORY RECORD NUMBER 18644
67. Missing a gamma spectrum for continuum of gammas
MAT=8031, MF=12, MT= 16 (1): No gamma spectrum
- ERROR(S) FOUND IN MAT=8031, MF=12, MT= 16
CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15
68. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF=12, MT= 17 (0): Directory (b)
- ERROR(S) FOUND IN MAT=8031, MF=12, MT= 17
SECTION 12/ 17 NOT IN DIRECTORY RECORD NUMBER 18652
69. Missing a gamma spectrum for continuum of gammas
MAT=8031, MF=12, MT= 17 (1): No gamma spectrum
- ERROR(S) FOUND IN MAT=8031, MF=12, MT= 17
CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15
70. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF=12, MT= 22 (0): Directory (b)
- ERROR(S) FOUND IN MAT=8031, MF=12, MT= 22
SECTION 12/ 22 NOT IN DIRECTORY RECORD NUMBER 18659
71. Missing a gamma spectrum for continuum of gammas
MAT=8031, MF=12, MT= 22 (1): No gamma spectrum
- ERROR(S) FOUND IN MAT=8031, MF=12, MT= 22
CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15

72. Missing a section in directory so your directory is messed up. This error will break everything else

MAT=8031, MF=12, MT= 28 (0): Directory (b)

ERROR(S) FOUND IN MAT=8031, MF=12, MT= 28
SECTION 12/ 28 NOT IN DIRECTORY RECORD NUMBER 18667

73. Missing a gamma spectrum for continuum of gammas
MAT=8031, MF=12, MT= 28 (1): No gamma spectrum

ERROR(S) FOUND IN MAT=8031, MF=12, MT= 28
CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15

74. Missing a section in directory so your directory is messed up. This error will break everything else

MAT=8031, MF=12, MT= 51 (0): Directory (b)

ERROR(S) FOUND IN MAT=8031, MF=12, MT= 51
SECTION 12/ 51 NOT IN DIRECTORY RECORD NUMBER 18675

75. Missing a section in directory so your directory is messed up. This error will break everything else

MAT=8031, MF=12, MT= 52 (0): Directory (b)

ERROR(S) FOUND IN MAT=8031, MF=12, MT= 52
SECTION 12/ 52 NOT IN DIRECTORY RECORD NUMBER 18679

76. Missing a section in directory so your directory is messed up. This error will break everything else

MAT=8031, MF=12, MT= 53 (0): Directory (b)

ERROR(S) FOUND IN MAT=8031, MF=12, MT= 53
SECTION 12/ 53 NOT IN DIRECTORY RECORD NUMBER 18683

77. Missing a section in directory so your directory is messed up. This error will break everything else

MAT=8031, MF=12, MT= 54 (0): Directory (b)

ERROR(S) FOUND IN MAT=8031, MF=12, MT= 54
SECTION 12/ 54 NOT IN DIRECTORY RECORD NUMBER 18687

78. Missing a section in directory so your directory is messed up. This error will break everything else

MAT=8031, MF=12, MT= 55 (0): Directory (b)

ERROR(S) FOUND IN MAT=8031, MF=12, MT= 55
SECTION 12/ 55 NOT IN DIRECTORY RECORD NUMBER 18691

79. Missing a section in directory so your directory is messed up. This error will break everything else

MAT=8031, MF=12, MT= 56 (0): Directory (b)

ERROR(S) FOUND IN MAT=8031, MF=12, MT= 56
SECTION 12/ 56 NOT IN DIRECTORY RECORD NUMBER 18696

80. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF=12, MT= 57 (0): Directory (b)
- ERROR(S) FOUND IN MAT=8031, MF=12, MT= 57
SECTION 12/ 57 NOT IN DIRECTORY RECORD NUMBER 18700
81. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF=12, MT= 58 (0): Directory (b)
- ERROR(S) FOUND IN MAT=8031, MF=12, MT= 58
SECTION 12/ 58 NOT IN DIRECTORY RECORD NUMBER 18705
82. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF=12, MT= 59 (0): Directory (b)
- ERROR(S) FOUND IN MAT=8031, MF=12, MT= 59
SECTION 12/ 59 NOT IN DIRECTORY RECORD NUMBER 18709
83. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF=12, MT= 60 (0): Directory (b)
- ERROR(S) FOUND IN MAT=8031, MF=12, MT= 60
SECTION 12/ 60 NOT IN DIRECTORY RECORD NUMBER 18713
84. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF=12, MT= 61 (0): Directory (b)
- ERROR(S) FOUND IN MAT=8031, MF=12, MT= 61
SECTION 12/ 61 NOT IN DIRECTORY RECORD NUMBER 18717
85. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF=12, MT= 62 (0): Directory (b)
- ERROR(S) FOUND IN MAT=8031, MF=12, MT= 62
SECTION 12/ 62 NOT IN DIRECTORY RECORD NUMBER 18721
86. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF=12, MT= 63 (0): Directory (b)
- ERROR(S) FOUND IN MAT=8031, MF=12, MT= 63
SECTION 12/ 63 NOT IN DIRECTORY RECORD NUMBER 18726
87. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF=12, MT= 64 (0): Directory (b)
- ERROR(S) FOUND IN MAT=8031, MF=12, MT= 64
SECTION 12/ 64 NOT IN DIRECTORY RECORD NUMBER 18730

88. Missing a section in directory so your directory is messed up. This error will break everything else

MAT=8031, MF=12, MT= 65 (0): Directory (b)

ERROR(S) FOUND IN MAT=8031, MF=12, MT= 65
SECTION 12/ 65 NOT IN DIRECTORY RECORD NUMBER 18735

89. Missing a section in directory so your directory is messed up. This error will break everything else

MAT=8031, MF=12, MT= 66 (0): Directory (b)

ERROR(S) FOUND IN MAT=8031, MF=12, MT= 66
SECTION 12/ 66 NOT IN DIRECTORY RECORD NUMBER 18740

90. Missing a section in directory so your directory is messed up. This error will break everything else

MAT=8031, MF=12, MT= 67 (0): Directory (b)

ERROR(S) FOUND IN MAT=8031, MF=12, MT= 67
SECTION 12/ 67 NOT IN DIRECTORY RECORD NUMBER 18745

91. Missing a section in directory so your directory is messed up. This error will break everything else

MAT=8031, MF=12, MT= 68 (0): Directory (b)

ERROR(S) FOUND IN MAT=8031, MF=12, MT= 68
SECTION 12/ 68 NOT IN DIRECTORY RECORD NUMBER 18749

92. Missing a section in directory so your directory is messed up. This error will break everything else

MAT=8031, MF=12, MT= 69 (0): Directory (b)

ERROR(S) FOUND IN MAT=8031, MF=12, MT= 69
SECTION 12/ 69 NOT IN DIRECTORY RECORD NUMBER 18753

93. Missing a section in directory so your directory is messed up. This error will break everything else

MAT=8031, MF=12, MT= 91 (0): Directory (b)

ERROR(S) FOUND IN MAT=8031, MF=12, MT= 91
SECTION 12/ 91 NOT IN DIRECTORY RECORD NUMBER 18757

94. Missing a gamma spectrum for continuum of gammas
MAT=8031, MF=12, MT= 91 (1): No gamma spectrum

ERROR(S) FOUND IN MAT=8031, MF=12, MT= 91
CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15

95. Missing a section in directory so your directory is messed up. This error will break everything else

MAT=8031, MF=12, MT=102 (0): Directory (b)

ERROR(S) FOUND IN MAT=8031, MF=12, MT=102
SECTION 12/102 NOT IN DIRECTORY RECORD NUMBER 18767

96. Missing a gamma spectrum for continuum of gammas
MAT=8031, MF=12, MT=102 (1): No gamma spectrum

ERROR(S) FOUND IN MAT=8031, MF=12, MT=102
CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15

97. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF=12, MT=103 (0): Directory (b)

ERROR(S) FOUND IN MAT=8031, MF=12, MT=103
SECTION 12/103 NOT IN DIRECTORY RECORD NUMBER 18781

98. Missing a gamma spectrum for continuum of gammas
MAT=8031, MF=12, MT=103 (1): No gamma spectrum

ERROR(S) FOUND IN MAT=8031, MF=12, MT=103
CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15

99. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF=12, MT=104 (0): Directory (b)

ERROR(S) FOUND IN MAT=8031, MF=12, MT=104
SECTION 12/104 NOT IN DIRECTORY RECORD NUMBER 18791

100. Missing a gamma spectrum for continuum of gammas
MAT=8031, MF=12, MT=104 (1): No gamma spectrum

ERROR(S) FOUND IN MAT=8031, MF=12, MT=104
CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15

101. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF=12, MT=107 (0): Directory (b)

ERROR(S) FOUND IN MAT=8031, MF=12, MT=107
SECTION 12/107 NOT IN DIRECTORY RECORD NUMBER 18799

102. Missing a gamma spectrum for continuum of gammas
MAT=8031, MF=12, MT=107 (1): No gamma spectrum

ERROR(S) FOUND IN MAT=8031, MF=12, MT=107
CONTINUUM PHOTONS REQUIRE A SECTION IN MF=15

103. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF=14, MT= 16 (0): Directory (b)

ERROR(S) FOUND IN MAT=8031, MF=14, MT= 16
SECTION 14/ 16 NOT IN DIRECTORY RECORD NUMBER 18814

104. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF=14, MT= 17 (0): Directory (b)

- ERROR(S) FOUND IN MAT=8031, MF=14, MT= 17
SECTION 14/ 17 NOT IN DIRECTORY RECORD NUMBER 18816
105. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF=14, MT= 22 (0): Directory (b)
- ERROR(S) FOUND IN MAT=8031, MF=14, MT= 22
SECTION 14/ 22 NOT IN DIRECTORY RECORD NUMBER 18818
106. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF=14, MT= 28 (0): Directory (b)
- ERROR(S) FOUND IN MAT=8031, MF=14, MT= 28
SECTION 14/ 28 NOT IN DIRECTORY RECORD NUMBER 18820
107. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF=14, MT= 51 (0): Directory (b)
- ERROR(S) FOUND IN MAT=8031, MF=14, MT= 51
SECTION 14/ 51 NOT IN DIRECTORY RECORD NUMBER 18822
108. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF=14, MT= 52 (0): Directory (b)
- ERROR(S) FOUND IN MAT=8031, MF=14, MT= 52
SECTION 14/ 52 NOT IN DIRECTORY RECORD NUMBER 18824
109. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF=14, MT= 53 (0): Directory (b)
- ERROR(S) FOUND IN MAT=8031, MF=14, MT= 53
SECTION 14/ 53 NOT IN DIRECTORY RECORD NUMBER 18826
110. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF=14, MT= 54 (0): Directory (b)
- ERROR(S) FOUND IN MAT=8031, MF=14, MT= 54
SECTION 14/ 54 NOT IN DIRECTORY RECORD NUMBER 18828
111. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF=14, MT= 55 (0): Directory (b)
- ERROR(S) FOUND IN MAT=8031, MF=14, MT= 55
SECTION 14/ 55 NOT IN DIRECTORY RECORD NUMBER 18830
112. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF=14, MT= 56 (0): Directory (b)

- ERROR(S) FOUND IN MAT=8031, MF=14, MT= 56
SECTION 14/ 56 NOT IN DIRECTORY RECORD NUMBER 18832
113. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF=14, MT= 57 (0): Directory (b)
- ERROR(S) FOUND IN MAT=8031, MF=14, MT= 57
SECTION 14/ 57 NOT IN DIRECTORY RECORD NUMBER 18834
114. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF=14, MT= 58 (0): Directory (b)
- ERROR(S) FOUND IN MAT=8031, MF=14, MT= 58
SECTION 14/ 58 NOT IN DIRECTORY RECORD NUMBER 18836
115. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF=14, MT= 59 (0): Directory (b)
- ERROR(S) FOUND IN MAT=8031, MF=14, MT= 59
SECTION 14/ 59 NOT IN DIRECTORY RECORD NUMBER 18838
116. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF=14, MT= 60 (0): Directory (b)
- ERROR(S) FOUND IN MAT=8031, MF=14, MT= 60
SECTION 14/ 60 NOT IN DIRECTORY RECORD NUMBER 18840
117. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF=14, MT= 61 (0): Directory (b)
- ERROR(S) FOUND IN MAT=8031, MF=14, MT= 61
SECTION 14/ 61 NOT IN DIRECTORY RECORD NUMBER 18842
118. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF=14, MT= 62 (0): Directory (b)
- ERROR(S) FOUND IN MAT=8031, MF=14, MT= 62
SECTION 14/ 62 NOT IN DIRECTORY RECORD NUMBER 18844
119. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF=14, MT= 63 (0): Directory (b)
- ERROR(S) FOUND IN MAT=8031, MF=14, MT= 63
SECTION 14/ 63 NOT IN DIRECTORY RECORD NUMBER 18846
120. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF=14, MT= 64 (0): Directory (b)

- ERROR(S) FOUND IN MAT=8031, MF=14, MT= 64
SECTION 14/ 64 NOT IN DIRECTORY RECORD NUMBER 18848
121. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF=14, MT= 65 (0): Directory (b)
- ERROR(S) FOUND IN MAT=8031, MF=14, MT= 65
SECTION 14/ 65 NOT IN DIRECTORY RECORD NUMBER 18850
122. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF=14, MT= 66 (0): Directory (b)
- ERROR(S) FOUND IN MAT=8031, MF=14, MT= 66
SECTION 14/ 66 NOT IN DIRECTORY RECORD NUMBER 18852
123. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF=14, MT= 67 (0): Directory (b)
- ERROR(S) FOUND IN MAT=8031, MF=14, MT= 67
SECTION 14/ 67 NOT IN DIRECTORY RECORD NUMBER 18854
124. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF=14, MT= 68 (0): Directory (b)
- ERROR(S) FOUND IN MAT=8031, MF=14, MT= 68
SECTION 14/ 68 NOT IN DIRECTORY RECORD NUMBER 18856
125. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF=14, MT= 69 (0): Directory (b)
- ERROR(S) FOUND IN MAT=8031, MF=14, MT= 69
SECTION 14/ 69 NOT IN DIRECTORY RECORD NUMBER 18858
126. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF=14, MT= 91 (0): Directory (b)
- ERROR(S) FOUND IN MAT=8031, MF=14, MT= 91
SECTION 14/ 91 NOT IN DIRECTORY RECORD NUMBER 18860
127. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF=14, MT=102 (0): Directory (b)
- ERROR(S) FOUND IN MAT=8031, MF=14, MT=102
SECTION 14/102 NOT IN DIRECTORY RECORD NUMBER 18862
128. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF=14, MT=103 (0): Directory (b)

- ERROR(S) FOUND IN MAT=8031, MF=14, MT=103
SECTION 14/103 NOT IN DIRECTORY RECORD NUMBER 18864
129. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF=14, MT=104 (0): Directory (b)
- ERROR(S) FOUND IN MAT=8031, MF=14, MT=104
SECTION 14/104 NOT IN DIRECTORY RECORD NUMBER 18866
130. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF=14, MT=107 (0): Directory (b)
- ERROR(S) FOUND IN MAT=8031, MF=14, MT=107
SECTION 14/107 NOT IN DIRECTORY RECORD NUMBER 18868
131. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF=15, MT= 16 (0): Directory (b)
- ERROR(S) FOUND IN MAT=8031, MF=15, MT= 16
SECTION 15/ 16 NOT IN DIRECTORY RECORD NUMBER 18871
132. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF=15, MT= 17 (0): Directory (b)
- ERROR(S) FOUND IN MAT=8031, MF=15, MT= 17
SECTION 15/ 17 NOT IN DIRECTORY RECORD NUMBER 18922
133. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF=15, MT= 22 (0): Directory (b)
- ERROR(S) FOUND IN MAT=8031, MF=15, MT= 22
SECTION 15/ 22 NOT IN DIRECTORY RECORD NUMBER 18949
134. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF=15, MT= 28 (0): Directory (b)
- ERROR(S) FOUND IN MAT=8031, MF=15, MT= 28
SECTION 15/ 28 NOT IN DIRECTORY RECORD NUMBER 19015
135. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF=15, MT= 91 (0): Directory (b)
- ERROR(S) FOUND IN MAT=8031, MF=15, MT= 91
SECTION 15/ 91 NOT IN DIRECTORY RECORD NUMBER 19082
136. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF=15, MT=102 (0): Directory (b)

ERROR(S) FOUND IN MAT=8031, MF=15, MT=102
SECTION 15/102 NOT IN DIRECTORY RECORD NUMBER 19204

137. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF=15, MT=103 (0): Directory (b)

ERROR(S) FOUND IN MAT=8031, MF=15, MT=103
SECTION 15/103 NOT IN DIRECTORY RECORD NUMBER 19450

138. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF=15, MT=104 (0): Directory (b)

ERROR(S) FOUND IN MAT=8031, MF=15, MT=104
SECTION 15/104 NOT IN DIRECTORY RECORD NUMBER 19554

139. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=8031, MF=15, MT=107 (0): Directory (b)

ERROR(S) FOUND IN MAT=8031, MF=15, MT=107
SECTION 15/107 NOT IN DIRECTORY RECORD NUMBER 19622

- groupie Errors:

1. Very small elastic cross section found
0: Small elastic

Multi-Group and Multi-Band Parameters from ENDF/B Data (GROUPIE 2015-2)

ENDF/B Input and Output Data Filenames
ENDFB.IN
ENDFB.OUT
... [97 more lines]

- fudge-4.0 Warnings:

1. Missing a channel with a particular angular momenta combination
resonances / resolved / MultiLevelBreitWigner (Error # 0): missingResonanceChannel

WARNING: Missing a channel with angular momenta combination L = 0, J = 1.5 and S = 1.5 for "capture"

2. Potential scattering hasn't converted, you need more L's!
resonances / resolved (Error # 1): potentialScatteringNotConverged

WARNING: Potential scattering hasn't converged by L=0 at E=459.14 eV, xs[0]/xs[0]=100.0% > 0.1%

3. Cross section does not match sum of linked reaction cross sections
crossSectionSum label 0: total (Error # 0): CS Sum.

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.63%

4. Cross section does not match sum of linked reaction cross sections
crossSectionSum label 1: (z,n) (Error # 0): CS Sum.

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.83%

• fudge-4.0 Errors:

1. Found a negative probability
reaction label 19: n + Hg198-e19 / Product: n / Distribution: / angularTwoBody - XYs2d: (Error # 0): Negative prob.

WARNING: Negative probabilities encountered. Incident energy: 2.e6 eV, worst case: -0.00289999700667

2. Calculated and tabulated Q values disagree.
reaction label 21: n[multiplicity:'2'] + Hg197 + gamma (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -8456088.279754639 eV vs -8300690. eV!

3. Calculated and tabulated Q values disagree.
reaction label 22: n[multiplicity:'3'] + Hg196 + gamma (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -15596785.04931641 eV vs -1.52814e7 eV!

4. Calculated and tabulated Q values disagree.
reaction label 23: n + H1 + Au197 + gamma (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -7670473.285736084 eV vs -7103220. eV!

5. Calculated and tabulated Q values disagree.
reaction label 24: Hg199 + gamma (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 6532881.07522583 eV vs 6.649e6 eV!

6. Calculated and tabulated Q values disagree.
reaction label 25: n + He4 + Pt194 + gamma (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 922977.3276062012 eV vs 1333060. eV!

7. Calculated and tabulated Q values disagree.
reaction label 26: H1 + (Au198-s -> Au198 + gamma) (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -529776.5161743164 eV vs -590530. eV!

8. Calculated and tabulated Q values disagree.
reaction label 27: H2 + (Au197-s -> Au197 + gamma) (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -5453098.979125977 eV vs -4878610. eV!

9. Calculated and tabulated Q values disagree.
reaction label 28: He4 + (Pt195-s -> Pt195 + gamma) (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 7124108.732757568 eV vs 7457750. eV!

• njoy2012 Warnings:

1. Evaluation has no unresolved resonance parameters given
unresr...calculation of unresolved resonance cross sections (0): No URR

- message from unresr---mat 8031 has no unresolved parameters
copy as is to nout
2. Evaluation has no unresolved resonance parameters given
purrr...probabalistic unresolved calculation (0): No URR
- message from purrr---mat 8031 has no unresolved parameters
copy as is to nout
3. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
groupr...compute self-shielded group-averaged cross-sections (0): GROUPR/conver (0)
- message from conver---cannot do complete particle production for mt= 16
only mf4/mf5 provided
4. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
groupr...compute self-shielded group-averaged cross-sections (1): GROUPR/conver (0)
- message from conver---cannot do complete particle production for mt= 17
only mf4/mf5 provided
5. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
groupr...compute self-shielded group-averaged cross-sections (2): GROUPR/conver (0)
- message from conver---cannot do complete particle production for mt= 22
only mf4/mf5 provided
6. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
groupr...compute self-shielded group-averaged cross-sections (3): GROUPR/conver (0)
- message from conver---cannot do complete particle production for mt= 28
only mf4/mf5 provided
7. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
groupr...compute self-shielded group-averaged cross-sections (4): GROUPR/conver (0)
- message from conver---cannot do complete particle production for mt= 91
only mf4/mf5 provided
8. There is bad Kalbach parameter (r(E) or otherwise)
check...ace consistency check (0): ACER/check energy distributions (0)

- check energy distributions
consis: ep.gt.epmax 9.898870E-12 with q.lt.0 for (n,x) at e 1.000000E-11 -> 1.000000E-11
9. There is bad Kalbach parameter (r(E) or otherwise)
check...ace consistency check (1): ACER/check energy distributions (0)
- check energy distributions
consis: awr.ge.180---there could be a legitimate positive-q channel or admixed fission.
10. There is bad Kalbach parameter (r(E) or otherwise)
check...ace consistency check (2): ACER/check energy distributions (0)
- check energy distributions
consis: ep.gt.epmax 4.949435E+01 with q.lt.0 for (n,x) at e 5.000000E+01 -> 4.949780E+01
11. There is bad Kalbach parameter (r(E) or otherwise)
check...ace consistency check (3): ACER/check energy distributions (0)
- check energy distributions
consis: awr.ge.180---there could be a legitimate positive-q channel or admixed fission.
12. There is bad Kalbach parameter (r(E) or otherwise)
check...ace consistency check (4): ACER/check energy distributions (0)
- check energy distributions
consis: ep.gt.epmax 5.444378E+01 with q.lt.0 for (n,x) at e 5.500000E+01 -> 5.447246E+01
13. There is bad Kalbach parameter (r(E) or otherwise)
check...ace consistency check (5): ACER/check energy distributions (0)
- check energy distributions
consis: awr.ge.180---there could be a legitimate positive-q channel or admixed fission.
14. There is bad Kalbach parameter (r(E) or otherwise)
check...ace consistency check (6): ACER/check energy distributions (0)
- check energy distributions
consis: ep.gt.epmax 5.939322E+01 with q.lt.0 for (n,x) at e 6.000000E+01 -> 5.944711E+01
15. There is bad Kalbach parameter (r(E) or otherwise)
check...ace consistency check (7): ACER/check energy distributions (0)
- check energy distributions
consis: awr.ge.180---there could be a legitimate positive-q channel or admixed fission.
16. There is bad Kalbach parameter (r(E) or otherwise)
check...ace consistency check (8): ACER/check energy distributions (0)
- check energy distributions
consis: ep.gt.epmax 6.434265E+01 with q.lt.0 for (n,x) at e 6.500000E+01 -> 6.442176E+01
17. There is bad Kalbach parameter (r(E) or otherwise)
check...ace consistency check (9): ACER/check energy distributions (0)

- check energy distributions
consis: awr.ge.180---there could be a legitimate positive-q channel or admixed fission.
18. There is bad Kalbach parameter ($r(E)$ or otherwise)
check...ace consistency check (10): ACER/check energy distributions (0)
- check energy distributions
consis: ep.gt.epmax 9.898870E+01 with q.lt.0 for (n,x) at e 1.000000E+02 -> 9.899561E+01
19. There is bad Kalbach parameter ($r(E)$ or otherwise)
check...ace consistency check (11): ACER/check energy distributions (0)
- check energy distributions
consis: awr.ge.180---there could be a legitimate positive-q channel or admixed fission.
20. There is bad Kalbach parameter ($r(E)$ or otherwise)
check...ace consistency check (12): ACER/check energy distributions (0)
- check energy distributions
consis: ep.gt.epmax 1.088875E+02 with q.lt.0 for (n,x) at e 1.100000E+02 -> 1.089449E+02
21. There is bad Kalbach parameter ($r(E)$ or otherwise)
check...ace consistency check (13): ACER/check energy distributions (0)
- check energy distributions
consis: awr.ge.180---there could be a legitimate positive-q channel or admixed fission.
22. There is bad Kalbach parameter ($r(E)$ or otherwise)
check...ace consistency check (14): ACER/check energy distributions (0)
- check energy distributions
consis: ep.gt.epmax 1.187864E+02 with q.lt.0 for (n,x) at e 1.200000E+02 -> 1.188942E+02
23. There is bad Kalbach parameter ($r(E)$ or otherwise)
check...ace consistency check (15): ACER/check energy distributions (0)
- check energy distributions
consis: awr.ge.180---there could be a legitimate positive-q channel or admixed fission.
24. There is bad Kalbach parameter ($r(E)$ or otherwise)
check...ace consistency check (16): ACER/check energy distributions (0)
- check energy distributions
consis: ep.gt.epmax 1.286852E+02 with q.lt.0 for (n,x) at e 1.300000E+02 -> 1.288435E+02
25. There is bad Kalbach parameter ($r(E)$ or otherwise)
check...ace consistency check (17): ACER/check energy distributions (0)
- check energy distributions
consis: awr.ge.180---there could be a legitimate positive-q channel or admixed fission.
26. There is bad Kalbach parameter ($r(E)$ or otherwise)
check...ace consistency check (18): ACER/check energy distributions (0)

```

check energy distributions
consis: ep.gt.epmax 1.385841E+02 with q.lt.0 for (n,x) at e 1.400000E+02 -> 1.387928E+02

```

27. There is bad Kalbach parameter (r(E) or otherwise)
check...ace consistency check (19): ACER/check energy distributions (0)

```

check energy distributions
consis: awr.ge.180---there could be a legitimate positive-q channel or admixed fission.

```

28. There is bad Kalbach parameter (r(E) or otherwise)
check...ace consistency check (20): ACER/check energy distributions (0)

```

check energy distributions
consis: ep.gt.epmax 1.484830E+02 with q.lt.0 for (n,x) at e 1.500000E+02 -> 1.487421E+02

```

29. There is bad Kalbach parameter (r(E) or otherwise)
check...ace consistency check (21): ACER/check energy distributions (0)

```

check energy distributions
consis: awr.ge.180---there could be a legitimate positive-q channel or admixed fission.

```

- njoy2012 Errors:

1. An angular distribution is negative
acer...monte carlo neutron and photon data (0): Neg. P(Ej μ) (b)

```

---message from ptleg2---negative probs found
14 for mt= 69 e= 2.000E+06

```

- acelst Warnings:

1. The incident energy grid is not monotonic for this angular distribution
0: Bad Ang. Dist.

```

ACELST WARNING - Processing Ang.Dist.MT      2
E-grid non-monotonic  2.000000000E+01 2.000000000E+01

```